

Y
Göttingen 10 Sept. 1862.

My Dear Mr. Sir Gray,

I have to acknowledge your favors of June 10. and 23., and send enclosed the manuscript of the Monocotyledons [except Bromeliaceae, which are not yet ready]. The new Monocotyledons announced have not yet arrived. The Gymnasticae may be sent in my next letter, but, if required, the paper may be printed without them, as I prepare a ~~special~~ special publication on this order, Fenzl's materials proving very good. I have finished just now the herbarium: of them there are among Wright's plants

no. 1525. *Aschmea* (*Pisonneana*) *Distans* Fr. Ind. occ.


- 1524. - (*Claphaschmea* n.) *paniculata* = 149.

and of *Gymnasticae*: *Gymnasticae verticillata* L. *Stylis* *lutea* Schott.!

- 1529. *P. bromeliifolia* (Hb. β . *platyphylla* Schott.)

The rest consists of *T. transpica*, about which I have not yet fixed any ideas with respect to the genus so much puzzled by garden-botanists.

Mr. Wright would oblige me very much by affording fruit about ripe seed of *Rhodia verticillata* (no. 153.), on which you are aware I have got a disagreeable polemic with Mr. Marchon. The fact is that I have not been well treated by Mr. Grayson and the matter is not well to be judged from the printed notes, the chief and only material point having been omitted. This is, that Marchon pretends, that in ^{certain} *Clusia* species, which have the embryos undivided, the cotyledons are wanting. His reason is, that such an embryo he pretends to have a single, axile ^{or only} ~~branch~~ ^{of} ~~ovule~~, being therefore a radicle. Now I found such a ring only in the inferior part of the embryos, which it branches

upwards into two bundles , from which Part 7
have concluded that the upper part consists of 2 united
cotyledons, though the line of demarcation is not visible
in the ripe seed, as is the case in other Cruciferae,
when the cotyledons are scarcely confluent. I do
not believe, that in this difference there is sufficient
reason to build upon not only distinct genera but even
tribes, the habit being often the same. What is
your opinion about it?

You will have got now the 5th part of my
Flora: the rest of Part 6. is in London. A supplementary
Part 7 (not yet begun) will comprise the
closing orders, viz. Orchids and ferns. I hope to
finish the whole this winter, and then to turn to
the supplements, chiefly those of Mr. Wright.

The newest remarkable papers in Germany are
on Compositae. You will know that of Mr. Caspary;
the other I receive just to-day from H. Eichler,
the able assistant of J. Martius. The peculiarity, that
in Aruncaria there is a cloud away, separating
them the Gymnosperms of their primary hearted.
I believe, that this paper will appear in the
Augustine Flora.

Yours, as ever, affectionately
Agrihast.